

Title (en)

Light guide with curved profile having an area with correction dioptries

Title (de)

Lichtwellenleiter mit gekrümmtem Profil mit Korrekturdiopterzone

Title (fr)

Guide de lumière à profil courbe avec zone à dioptries de correction

Publication

**EP 2713097 B1 20150812 (FR)**

Application

**EP 13186808 A 20131001**

Priority

FR 1259255 A 20121001

Abstract (en)

[origin: EP2713097A1] The guide (2) has an elongated body made of transparent material and including a curved portion between a coupling zone and one of exit face (22) or reflection face of the body. A correction zone (12) forms diopters (16, 18) with material as that of the body. One of the diopters is arranged to refract light rays (14) from the coupling zone such that the rays reach the coupling zone or one of the faces irrespective of curve of the body. The diopter, which is met by the ray from the coupling zone, is configured for deviating the ray in a same direction as the curve of the body.

IPC 8 full level

**F21V 8/00** (2006.01); **F21S 8/10** (2006.01); **G02B 6/00** (2006.01)

CPC (source: EP)

**F21S 43/14** (2017.12); **F21S 43/239** (2017.12); **F21S 43/243** (2017.12); **F21S 43/249** (2017.12); **G02B 6/0035** (2013.01); **G02B 6/0045** (2013.01)

Cited by

FR3134166A1; FR3081969A1; CN117141349A; FR3026816A1; US11421845B2; WO2019229191A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2713097 A1 20140402**; **EP 2713097 B1 20150812**; FR 2996314 A1 20140404; FR 2996314 B1 20150821

DOCDB simple family (application)

**EP 13186808 A 20131001**; FR 1259255 A 20121001